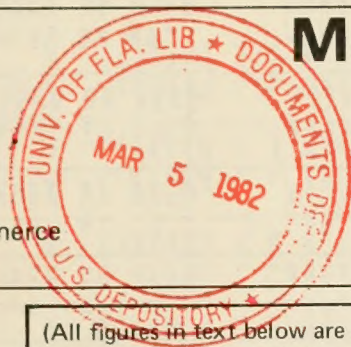




U.S. Department of Commerce
BUREAU OF THE CENSUS



Manufacturers' Shipments, Inventories, and Orders

DECEMBER 1981

M3-1(81)-12

For Wire Transmission 2:30 P.M. E.S.T. Tuesday, February 2, 1982

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in December showed a small increase from November, going up \$0.4 billion or 0.2 percent to \$160.3 billion, the Department of Commerce, Bureau of the Census reported today. This brought orders for the year to \$1,999 billion, a 7.4 percent increase over the 1980 volume of \$1,862 billion.

Shipments of manufactured goods declined for the sixth consecutive month, decreasing \$0.4 billion or 0.2 percent to \$161.6 billion. Shipments for all of 1981 were valued at \$1,999 billion, the same as new orders received for the year. Consequently, the value of manufacturers' unfilled orders at the end of 1981 showed no increase from the \$320 billion level reported at the end of 1980.

The book value of manufacturers' inventories declined in December by \$2.4 billion or 0.8 percent to \$277.2 billion. Inventories at the end of 1981 were valued at 7.4 percent higher than at the end of 1980.

The 0.2 percent increase in manufacturers' new orders in December resulted from increases in both the durable and non-durable goods categories. Durable goods new orders were up 0.3 percent in December to \$80.2 billion. This is smaller than the 1.6 percent increase recorded in the advance report published earlier. More complete reporting by machinery producers generated revision to both the November and December new orders previously published. November new orders for durable goods are now recorded as 2.8 percent above October rather than 1.8 percent.

Within the major industry categories, new orders for transportation equipment were up \$0.7 billion or 4.3 percent to \$16.1 billion, mostly due to new orders in the defense aircraft and parts category. New orders for primary metals declined for the 5th consecutive month. The December decrease was \$0.5 billion or 5.4 percent to \$9.5 billion. Machinery orders were relatively flat for the month, going up \$0.1 billion or 0.3 percent to \$29.4 billion.

New orders for the nondefense capital goods industries as a group were down in December \$1.0 billion or 4.2 percent, following increases in October and November of 7.4 percent and 13.4 percent, respectively. New orders for defense capital goods were up \$0.6 billion or 12.5 percent to \$5.5 billion. Defense orders for all of 1981 averaged \$5.2 billion per month as compared to the 1980 average of \$4.7 billion for a 10.6 percent average gain.

The decline in the value of manufacturers' shipments in December of \$0.4 billion resulted mostly from declines in the durable goods sector. The largest decline was in shipments by primary metals producers of \$0.8 billion or 7.5 percent to \$9.8 billion. Within the nondurable goods category, shipments valued at \$80.4 billion, showed no change from November.

The December decrease in the level of Manufacturers' unfilled orders of \$1.4 billion or 0.4 percent to \$320.1 billion reflected a large decline in the nondefense capital goods category, where the commercial aircraft and parts industry reported a sizable decline. The backlog of defense orders increased in December \$0.9 billion or 1.1 percent to \$80.4 billion.

Declines in the book value of manufacturers' inventories which resulted in an 0.8 percent decline for the month were widespread. Within the durable goods category nearly all major industry groups reported declines; within the nondurable goods category the largest decreases occurred in the food, and rubber and plastics products industries.

The pattern of change in inventories by stage of fabrication differed between the durable and nondurable categories. For durable goods most of the decrease was in raw materials and supplies, although work in process inventories also declined. The value of finished goods showed little change from November. For nondurables, finished goods inventories accounted for the decline.

The inventory to shipments ratio in December was 1.72, down from 1.73 in November. This is the first decline in the ratio since June when it was 1.57.

The estimates for December are generally subject to greater revisions than other months. These revisions are attributable to corrections to early estimates by companies and to the lower than normal response rates, as reporting is delayed by year end closing of records. For example, based on data from January 1972 through December 1980, the average monthly revision to durable goods new orders was 1.1 percent; for January through November the rate was 1.0 percent, while the average December change was 1.6 percent.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, 30 cents per copy, \$3.60 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Not seasonally adjusted ¹																
		Seasonally adjusted						Monthly										
		Monthly						Quarterly										
		Dec. 1981P	Nov. 1981 ^r	Oct. 1981	Sep. 1981	IV 1981P	III 1981	II 1981	Dec. 1981P	Nov. 1981 ^r	Oct. 1981	Sep. 1981	Last 4 months 1980	Last 4 months a year ago	Annual total			
	TOTALS																	
	All manufacturing industries.....	161,629	161,979	164,085	168,581	487,693	508,423	506,512	156,075	161,275	170,346	174,010	157,597	161,492	167,307	163,812	1,998,177	1,845,934
	Manufacturing industries excluding transportation.....	144,344	145,176	146,887	149,625	436,407	451,069	447,982	139,581	143,842	151,518	155,724	140,945	143,236	147,664	146,076	1,778,591	1,654,546
	Manufacturing industries with unfilled orders.....	85,799	86,346	86,556	89,183	258,701	268,852	266,373	83,738	85,774	90,073	92,943	82,996	84,366	87,466	86,200	1,054,970	967,077
	Durable goods industries.....	81,275	81,641	82,583	86,179	245,499	260,339	261,761	78,408	80,945	86,763	88,536	79,978	82,459	86,823	83,673	1,019,942	936,030
	Durable goods with unfilled orders.....	68,729	69,331	69,650	71,916	207,710	217,285	215,863	67,346	68,622	72,347	74,853	67,673	68,457	71,023	69,614	852,258	782,636
	Nondurable goods industries.....	80,354	80,338	81,502	82,402	242,194	248,084	244,751	77,667	80,330	83,583	85,474	77,619	79,033	80,484	80,139	978,235	909,903
	Nondurable goods with unfilled orders.....	17,070	17,015	16,906	17,267	50,991	51,567	50,510	16,392	17,152	17,726	18,090	15,323	15,909	16,443	16,586	202,711	184,441
	MARKET CATEGORIES																	
	Home goods and apparel.....	11,729	11,793	11,971	12,217	35,493	37,409	37,089	10,273	12,435	13,476	13,658	10,116	12,256	13,278	12,706	146,082	135,305
	Consumer staples.....	28,576	28,506	28,664	29,267	85,746	87,405	86,554	28,444	29,098	29,725	30,842	28,946	28,727	29,413	30,216	345,699	329,447
	Equipment and defense products, except automotive.....	26,751	26,236	25,163	26,185	78,150	77,437	76,364	27,931	25,459	25,485	27,076	25,159	23,443	24,150	24,996	306,368	277,289
	Automotive equipment.....	11,783	11,600	12,442	13,688	35,825	42,296	43,191	10,404	12,133	14,182	12,852	11,288	13,234	14,800	12,661	158,919	134,879
	Construction materials, supplies, and intermediate products.....	11,429	11,564	11,925	12,310	34,918	37,353	38,564	10,540	11,343	12,662	13,100	11,854	12,558	13,440	12,878	149,960	143,458
	Other materials, supplies, and intermediate products.....	71,361	72,280	73,920	74,914	217,561	226,523	224,749	68,483	70,807	74,816	76,482	70,235	71,274	72,226	70,355	891,142	825,553
	SUPPLEMENTARY SERIES ²																	
	Household durable goods indus- tries.....	5,148	5,128	5,194	5,360	15,470	16,146	16,241	4,793	5,308	5,799	6,055	4,626	5,186	5,749	5,574	63,553	58,493
	Capital goods industries.....	29,028	28,935	27,871	28,822	85,834	85,974	84,469	30,328	28,444	28,214	29,853	27,899	26,441	26,887	27,550	338,193	308,368
	Nondefense.....	24,456	24,433	23,534	24,608	72,423	73,112	72,453	25,527	24,007	23,825	25,417	24,026	22,738	23,189	23,709	288,297	267,210
	Defense.....	4,572	4,502	4,337	4,214	13,411	12,862	12,017	4,801	4,437	4,389	4,436	3,873	3,703	3,698	3,841	49,893	41,158
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass products.....	3,791	3,860	3,845	4,024	11,496	12,278	12,680	3,373	3,824	4,164	4,335	3,665	3,977	4,259	4,221	49,024	45,518
322	Glass containers.....	463	494	492	488	1,449	1,527	1,567	424	476	502	518	415	405	425	471	5,926	4,923
33	Primary metals.....	9,834	10,635	11,065	11,609	31,534	35,561	35,325	9,117	10,114	11,191	11,724	10,981	11,190	11,446	11,088	137,997	134,051
331	Blast furnaces, steel mills, Nonferrous and other primary metals.....	5,169	5,518	5,710	5,929	16,397	18,268	18,482	4,802	5,154	5,698	5,965	5,639	5,556	5,430	5,055	70,956	62,481
333-9	Fabricated metal products.....	3,861	4,152	4,368	4,631	12,361	14,018	13,454	3,579	3,999	4,442	4,695	4,336	4,519	4,825	4,984	54,050	58,485
34	Metal cans, barrels, and drums.....	9,622	9,494	9,989	10,286	29,105	31,265	31,644	9,020	9,297	10,497	10,671	10,010	10,232	10,829	20,287	123,287	116,868
341	Machinery, except electrical....	845	812	797	778	2,454	2,441	2,488	674	671	769	907	737	695	822	967	9,969	10,199
35	Engines and turbines.....	17,127	17,446	16,924	17,353	51,497	51,669	50,914	17,667	16,675	17,136	17,814	16,545	15,349	16,243	16,316	204,552	182,837
351	Farm machinery and equipment....	1,380	1,492	1,393	1,429	4,265	4,404	4,101	1,396	1,399	1,346	1,491	1,193	1,154	1,161	1,137	16,523	13,639
352	Construction, mining, and material-handling equipment....	1,194	1,151	1,182	1,380	3,527	3,817	3,800	975	935	1,266	1,386	1,011	1,001	1,308	1,167	17,769	13,699
353	Metalworking machinery.....	3,563	3,588	3,383	3,375	10,534	10,166	9,856	3,374	3,333	3,420	3,459	2,917	2,729	3,004	2,973	40,126	35,287
354	General industrial machinery....	846	911	1,001	1,037	2,758	2,989	2,910	889	885	1,000	1,077	1,045	972	1,051	981	11,610	11,185
36		1,462	1,480	1,474	1,422	4,416	4,383	4,282	1,453	1,409	1,500	1,452	1,376	1,295	1,493	1,410	17,151	15,987

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted ¹												Annual total	
		Monthly					Quarterly													
		Monthly					Last 4 months					Monthly								
		Dec. 1981P	Nov. 1981P	Oct. 1981	Sep. 1981	IV 1981P	III 1981	II 1981	Dec. 1981P	Nov. 1981P	Oct. 1981	Sep. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sep. 1980	1981P	1980		
36	INDUSTRY GROUPS AND INDUSTRIES--Continued	11,587	11,433	11,262	11,667	34,282	35,062	34,649	11,422	11,583	11,839	12,339	10,596	11,201	11,459	11,169	136,993	125,907		
361,2		Durable goods and industries--Continued	1,999	1,903	1,868	1,941	5,770	5,901	5,738	1,887	1,873	1,897	1,988	1,821	1,879	1,878	1,871	22,801	21,869	
363			Electrical machinery.....	1,046	1,058	1,020	1,113	3,124	3,291	3,459	961	992	1,081	1,191	999	1,066	1,087	1,141	13,264	12,462
364			Electrical transmission and distribution equipment.....	882	802	838	905	2,522	2,765	2,859	961	961	1,002	1,115	800	1,019	993	940	10,814	9,002
365			Household appliances.....	3,241	3,242	3,184	3,245	9,728	9,825	9,507	3,350	3,213	3,239	3,284	2,862	2,862	2,895	2,944	37,931	33,570
366			Radio and TV.....	2,506	2,357	2,243	2,385	7,106	7,124	6,930	2,376	2,367	2,348	2,514	2,224	2,376	2,419	2,318	28,038	26,997
367			Communication equipment.....	17,285	16,803	17,198	18,956	51,286	57,354	58,531	16,494	17,433	18,828	18,286	16,653	18,256	19,643	17,736	219,586	191,387
37			Electronic components.....	10,074	10,018	10,686	11,971	30,778	36,731	37,622	8,992	10,670	12,299	11,039	9,860	11,594	12,908	10,796	137,457	114,909
371			Transportation equipment.....	5,171	4,789	4,550	4,938	14,510	14,218	14,459	5,422	4,826	4,475	5,177	4,751	4,678	4,617	4,843	56,915	51,007
372,6			Motor vehicles and parts.....	1,136	1,216	1,095	1,151	3,447	3,616	3,520	1,275	1,214	1,167	1,172	1,129	1,018	1,016	1,084	13,943	12,606
3731	Shipbuilding and military tank vehicles.....		4,235	4,146	4,241	4,299	12,622	12,812	12,495	4,228	4,251	4,395	4,587	4,059	4,104	4,124	4,166	50,224	45,993	
3735	Products.....	2,532	2,455	2,551	2,533	7,538	7,508	7,208	2,529	2,445	2,585	2,664	2,384	2,308	2,314	2,378	29,404	26,570		
381-4	Scientific and engineering.....	1,439	1,402	1,429	1,486	4,270	4,442	4,367	1,460	1,509	1,511	1,603	1,422	1,532	1,522	1,497	17,352	16,273		
386	Photographic goods.....	7,794	7,824	8,059	7,985	23,677	24,338	25,524	7,087	7,768	8,713	8,780	7,471	8,150	8,820	8,691	98,462	93,464		
24	All other durable goods industries.....																			
25	Nondurable goods industries:																			
20	Food and kindred products.....	21,557	21,493	22,077	22,421	65,127	67,512	67,307	21,603	21,900	22,763	23,316	22,383	22,574	22,677	23,002	266,371	254,745		
201	Meat products.....	5,462	5,506	5,582	5,856	16,550	17,322	16,070	5,527	5,550	5,817	5,785	5,400	5,309	5,513	5,186	65,609	58,798		
208	Beverages.....	2,947	2,779	2,998	2,927	8,624	8,948	9,124	2,664	2,824	3,055	2,980	2,555	2,891	3,131	2,907	35,353	33,985		
207	Fats and oils.....	1,790	1,665	1,746	1,757	5,201	5,375	5,189	1,765	1,717	1,772	1,791	1,752	1,830	1,672	1,666	20,982	19,177		
203-6,9	All other foods.....	8,301	8,451	8,752	8,806	25,504	26,509	27,271	8,633	8,680	9,023	9,608	9,773	9,602	9,538	10,242	107,077	108,323		
21	Tobacco products.....	1,192	1,173	1,099	1,211	3,464	3,592	3,283	1,217	1,199	1,164	1,190	1,159	1,091	1,167	1,028	13,622	12,466		
22	Textile mill products.....	3,950	3,934	4,061	4,427	11,945	13,337	13,012	3,774	4,001	4,320	4,713	3,689	3,902	4,006	4,075	50,753	46,167		
26	Paper and allied products.....	6,572	6,533	6,489	6,537	19,594	19,476	19,354	6,008	6,347	6,581	6,986	6,269	6,689	6,752	6,724	77,760	71,660		
261-3	Pulp, paper, etc.....	2,809	2,906	2,823	3,042	8,538	8,674	8,480	2,621	2,851	2,877	2,986	2,646	2,689	2,724	2,724	34,171	31,932		
265	Paperboard containers.....	1,667	1,675	1,590	1,671	4,932	4,999	4,970	1,515	1,630	1,676	1,728	1,420	1,482	1,614	1,562	19,736	17,880		
264	All other paper products.....	2,096	1,952	2,076	1,824	6,124	5,803	5,904	1,872	1,866	2,025	1,976	1,789	1,809	1,903	2,061	23,851	21,847		
28	Chemicals and allied products.....	15,492	15,328	15,075	15,489	45,873	46,406	44,875	14,503	14,477	14,787	16,078	14,609	13,619	14,331	14,697	182,046	167,099		
281,6	Industrial chemicals, except pigments.....	5,261	5,128	5,245	5,384	15,634	16,229	16,135	5,034	4,785	5,003	5,303	5,278	4,885	5,124	4,930	64,084	59,967		
283,4	Drugs, soap, and toiletries.....	3,970	3,903	3,707	3,934	11,580	11,382	10,998	3,791	3,798	3,833	4,579	3,984	3,572	4,046	4,663	64,890	44,890		
29	Petroleum and coal products.....	15,435	15,830	16,479	16,049	47,744	48,313	48,730	15,738	15,778	16,249	16,086	15,880	15,653	14,977	14,493	194,595	176,598		
30	Rubber and plastics products, n.e.c.....	3,789	3,642	3,945	3,971	11,376	12,056	11,886	3,413	3,525	4,152	4,087	3,530	4,027	4,344	4,160	46,724	48,060		
33	All other nondurable goods industries.....	12,367	12,405	12,299	12,297	37,071	37,392	36,304	11,411	13,103	13,567	13,314	10,513	12,187	12,713	12,337	146,345	133,105		

¹Preliminary. ²Revised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Not seasonally adjusted ¹											
		Monthly			Quarterly		Monthly											
		Dec. 1981P	Nov. 1981P	Oct. 1981	Sept. 1981	IV 1981P	III 1981	II 1981	Last 4 months				Last 4 months a year ago					
									Dec. 1981P	Nov. 1981P	Oct. 1981	Sept. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980	1981P	1980
	TOTALS																	
	All manufacturing industries.....	160,277	159,923	159,005	168,444	479,205	511,118	508,837	155,590	158,259	168,150	172,733	161,700	160,864	170,629	165,215	1,998,672	1,860,706
	Manufacturing industries excluding transportation.....	144,187	144,494	143,225	149,817	431,906	451,207	450,989	139,868	141,759	147,987	153,449	144,019	143,471	149,432	144,855	1,777,889	1,658,030
	Manufacturing industries with unfilled orders.....	84,447	84,290	81,476	89,046	250,213	271,547	268,697	83,253	82,758	87,877	91,666	87,098	83,738	90,788	87,603	1,055,464	981,849
	Durable goods industries.....	80,184	79,956	77,804	86,278	237,944	263,324	263,647	78,148	78,472	84,898	87,507	83,964	82,107	90,114	84,947	1,021,131	951,169
	Durable goods with unfilled orders.....	67,638	67,646	64,871	72,015	200,155	220,270	217,748	67,086	66,149	70,482	73,824	71,658	68,105	74,314	70,888	853,447	797,775
	Nondurable goods industries.....	80,093	79,967	81,201	82,166	241,261	247,794	245,190	77,442	79,787	83,252	85,226	77,736	78,757	80,515	80,268	977,540	909,536
	Industries with unfilled orders.....	16,809	16,644	16,605	17,031	50,058	51,277	50,949	16,167	16,609	17,395	17,842	15,440	15,633	16,474	16,715	202,015	184,073
	Industries without unfilled orders.....	63,284	63,323	64,596	65,135	191,203	196,517	194,241	61,275	63,178	65,857	67,384	62,296	63,124	64,041	63,553	775,522	725,462
	MARKET CATEGORIES																	
	Home goods and apparel.....	11,768	11,556	11,578	12,221	34,902	37,402	37,187	10,153	12,018	12,793	13,463	10,044	12,000	13,041	12,550	146,155	134,892
	Consumer staples.....	28,528	28,547	28,655	29,282	85,730	87,480	86,647	28,382	29,111	29,696	30,893	28,946	28,697	29,389	30,239	345,867	329,305
	Equipment and defense products, except automotive.....	25,382	26,956	23,225	25,302	75,563	75,996	73,996	27,021	25,318	26,430	27,030	28,824	22,722	26,360	27,411	309,898	291,959
	Automotive equipment.....	11,943	11,171	12,490	13,408	35,604	42,166	43,163	10,526	11,762	14,210	12,626	11,326	13,460	14,988	12,825	158,844	133,322
	Construction materials, supplies, and intermediate products.....	11,050	11,698	11,571	12,273	34,319	37,117	38,764	10,207	11,285	12,299	12,817	11,875	12,391	13,573	12,555	149,175	142,790
	Other materials, supplies, and intermediate products.....	71,606	69,995	71,486	75,958	213,087	227,204	227,079	69,301	68,765	72,722	75,904	70,685	71,594	73,278	69,635	888,722	828,235
	SUPPLEMENTARY SERIES ²																	
	Household durable goods indus- tries.....	5,199	4,873	4,810	5,388	14,882	16,150	16,347	4,707	4,889	5,117	5,894	4,581	4,909	5,508	5,416	63,667	58,182
	Capital goods industries.....	28,263	28,663	24,826	29,580	81,752	89,747	86,133	29,682	28,089	28,960	31,002	30,540	25,953	29,324	29,435	343,936	326,752
	Nondefense.....	22,807	23,813	20,996	23,026	67,616	71,952	71,818	23,297	22,285	22,905	23,705	24,899	21,742	23,492	23,176	281,875	270,571
	Defense.....	5,456	4,850	3,830	6,554	14,136	17,795	14,315	6,185	5,804	6,055	7,297	5,641	4,211	5,832	6,259	62,056	56,181
	INDUSTRY GROUPS AND INDUSTRIES																	
	Durable goods industries:																	
32	Stone, clay, and glass.....	3,773	3,924	3,899	3,897	11,596	12,110	12,686	3,348	3,816	4,171	4,137	3,618	3,928	4,252	4,126	48,798	45,221
33	Primary metals.....	9,492	10,032	10,170	11,422	29,694	35,490	34,964	9,975	9,285	10,170	10,558	12,094	11,709	12,712	11,371	134,520	134,057
331	Blast furnaces, steel mills..	5,001	5,124	5,107	6,022	15,232	18,540	18,453	5,448	4,792	4,973	5,266	6,228	6,283	6,373	5,354	69,568	63,212
333-5,9	Nonferrous and other primary metal products.....	3,743	4,036	3,944	4,348	11,723	13,656	13,322	3,822	3,623	4,042	4,248	4,808	4,302	5,182	4,948	52,507	58,694
34	Fabricated metal products.....	9,399	9,262	9,282	10,034	27,943	30,759	31,877	8,831	8,909	9,707	10,371	10,232	10,105	10,867	9,710	121,812	115,993
35	Machinery, except electrical...	17,420	17,472	15,984	17,498	50,876	51,532	51,889	17,593	16,525	16,596	17,264	17,915	15,493	16,211	16,059	204,749	182,782
351	Engines and turbines.....	1,335	1,276	1,390	1,538	4,001	4,343	4,335	1,384	1,058	1,602	1,650	1,160	1,177	1,404	1,329	16,763	13,329
353	Construction, mining, and material-handling equipment.	3,421	3,613	3,071	3,338	10,105	10,520	11,085	3,476	3,193	3,247	3,310	3,358	2,743	3,311	3,108	42,283	35,673
354	Metallworking machinery.....	634	645	765	786	2,044	2,267	2,333	622	623	764	747	933	773	866	909	9,348	11,028
356	General industrial machinery.	1,435	1,350	1,551	1,317	4,336	4,504	4,526	1,354	1,300	1,606	1,279	1,261	1,311	1,369	1,230	17,557	15,186

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted					Not seasonally adjusted ¹											
		Monthly					Quarterly		Monthly								Annual total	
		Dec. 1981p	Nov. 1981r	Oct. 1981	Sept. 1981	IV 1981p	III 1981	II 1981	Dec. 1981p	Nov. 1981r	Oct. 1981	Sept. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980	1981p	1980
INDUSTRY GROUPS AND INDUSTRIES-- Continued	Durable goods industries-- Continued																	
	Electrical machinery.....	12,021	11,873	10,370	12,487	34,264	36,462	36,281	11,461	11,589	11,267	12,818	10,573	11,426	12,135	10,815	141,187	130,744
	Electrical transmission and distribution equipment and industrial apparatus.....	2,094	1,989	1,494	1,901	5,577	5,937	5,770	1,916	1,889	1,548	1,911	1,820	1,739	1,975	1,717	23,061	22,221
	Household appliances.....	1,056	1,072	946	1,114	3,074	3,249	3,477	969	969	989	1,163	995	1,031	1,125	1,197	13,201	12,518
	Radio and TV.....	1,071	766	608	1,173	2,445	3,083	2,754	1,048	836	715	1,293	860	821	967	913	11,055	8,973
	Communication equipment.....	3,253	3,659	2,964	4,045	9,876	11,105	10,704	3,431	3,579	3,412	3,796	3,228	3,412	3,796	2,918	41,438	38,248
	Electronic components.....	2,665	2,319	2,323	2,194	7,307	6,959	7,405	2,336	2,305	2,198	2,236	1,841	2,409	2,207	2,106	28,243	26,845
	Transportation equipment.....	16,090	15,429	15,780	18,627	47,299	59,911	57,848	15,722	16,500	20,163	19,284	17,681	17,393	21,197	20,360	220,783	202,676
	Aircraft, missiles, and spacecraft.....	4,390	3,966	3,432	5,617	11,788	16,839	13,663	5,249	4,392	5,854	6,510	5,240	3,969	5,891	5,857	59,087	63,658
	Shipbuilding and military tank vehicles.....	693	1,188	764	595	2,645	3,966	3,996	657	1,185	1,144	1,229	1,708	812	1,370	2,656	14,383	15,408
3795	Instruments and related products.....	4,109	4,378	4,233	4,245	12,720	12,822	12,540	4,202	4,336	4,362	4,486	4,306	3,971	4,067	4,120	50,401	46,380
	All other durable goods industries.....	7,880	7,586	8,086	8,048	23,552	24,238	25,563	7,016	7,512	8,462	8,569	7,544	8,082	8,673	8,386	98,866	93,314

Preliminary. Revised.

Shipments and new orders are the totals for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; cutlery, handtools, and hardware; household appliances; radio and TV; optical instruments; watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC		Industry		(Millions of dollars)												Not seasonally adjusted ¹																													
				Seasonally adjusted						Quarterly						Monthly						Last 4 months a year ago																							
				Monthly						I						II						III						IV						Last 4 months						Monthly					
				Dec. 1981 ^b	Nov. 1981 ^c	Oct. 1981	Sept. 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	I 1980	Dec. 1981 ^b	Nov. 1981 ^c	Oct. 1981	Sept. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980																
TOTALS																																													
		All manufacturing industries.....	320,123	321,478	323,538	328,613	325,918	323,602	319,729	315,027	306,494		318,146	318,635	321,651	323,853	317,661	313,558	314,186		317,661	313,558	314,186		310,864																				
		Manufacturing industries excluding transportation.....	206,037	206,195	206,881	210,540	210,403	207,405	206,686	200,514	197,955		202,628	202,344	204,428	207,963	203,339	200,265	200,030		203,339	200,265	200,030		198,262																				
		Durable goods industries.....	309,900	310,995	312,681	317,460	316,477	312,598	308,815	304,133	295,750		308,171	308,436	310,908	312,779	306,995	303,009	303,361		306,995	303,009	303,361		300,070																				
		Nondurable goods industries.....	10,223	10,483	10,857	11,153	11,441	11,005	10,913	10,895	10,744		9,975	10,199	10,743	11,074	10,666	10,549	10,825		10,666	10,549	10,825		10,794																				
MARKET CATEGORIES																																													
		Home goods and apparel.....	4,310	4,320	4,517	4,921	4,854	4,664	3,988	4,085	4,215		3,929	4,111	4,516	5,229	3,688	3,760	4,046		3,688	3,760	4,046		4,307																				
		Consumer staples.....																																											
		Equipment and defense products, except automotive.....																																											
		Automotive equipment.....	190,299	191,510	191,219	193,108	190,926	191,324	186,876	183,272	177,896		190,291	191,082	191,593	190,622	186,838	183,134	183,629		186,838	183,134	183,629		181,231																				
		Construction materials, supplies, and intermediate products.....	16,771	17,151	17,017	17,371	17,607	17,409	17,587	17,399	17,749		16,462	16,794	16,853	17,217	17,248	17,227	17,394		17,248	17,227	17,394		17,261																				
		Other materials, supplies, and intermediate products.....	108,743	108,497	110,785	113,213	112,531	110,206	111,277	110,270	106,635		107,464	106,648	108,689	110,785	109,887	109,437	109,117		109,887	109,437	109,117		108,065																				
SUPPLEMENTARY SERIES ²																																													
		Household durable goods industries.....	3,143	3,093	3,348	3,735	3,732	3,628	2,954	3,084	3,220		2,816	2,904	3,323	4,006	2,707	2,752	3,029		2,707	2,752	3,029		3,270																				
		Capital goods industries.....	221,676	222,442	222,716	225,758	221,984	220,323	216,028	214,413	206,684		221,852	222,701	223,056	222,313	216,111	213,470	213,958		216,111	213,470	213,958		211,521																				
		Nondefense.....	141,320	142,969	143,589	146,126	147,288	147,924	147,673	147,300	146,477		140,046	142,280	144,001	146,925	146,471	145,598	146,594		146,471	145,598	146,594		146,291																				
		Defense.....	80,356	79,473	79,127	79,632	74,696	72,398	68,355	67,113	60,207		81,806	80,421	79,055	77,388	69,640	67,872	67,364		69,640	67,872	67,364		65,230																				
INDUSTRY GROUPS AND INDUSTRIES																																													
		Durable goods industries:																																											
32		Stone, clay, and glass.....	2,222	2,241	2,177	2,124	2,292	2,288	2,460	2,426	2,531		2,068	2,093	2,101	2,095	2,294	2,341	2,390		2,294	2,341	2,390		2,397																				
33		Primary metals.....	26,683	27,024	27,627	28,521	28,595	28,955	30,248	28,010	25,487		25,974	25,117	25,946	26,968	29,456	28,342	27,823		26,968	29,456	27,823		26,557																				
331		Iron and steel mills.....	16,004	16,171	16,565	17,168	16,897	16,926	17,439	15,742	13,258		15,508	14,862	15,224	15,949	16,898	16,310	15,583		16,898	16,310	15,583		14,640																				
333-6,9		Nonferrous and other primary metal products.....	7,424	7,522	7,638	8,062	8,425	8,557	9,008	8,476	8,219		7,231	6,988	7,363	7,764	8,775	8,302	8,519		8,775	8,302	8,519		8,162																				
34		Fabricated metal products.....	28,694	28,917	29,150	29,856	30,362	30,134	30,189	29,800	30,749		28,493	28,682	29,072	29,861	29,969	29,746	29,873		29,969	29,746	29,873		29,835																				
35		Machinery, except electrical.....	74,818	74,526	74,499	75,440	75,578	74,602	74,396	72,650	71,914		73,916	73,990	74,139	74,680	73,515	72,144	72,000		73,515	72,144	72,000		72,032																				
351		Engines and turbines.....	18,149	18,194	18,411	18,413	18,474	18,241	17,905	17,864	17,825		18,306	18,317	18,658	18,403	18,066	18,098	18,075		18,066	18,098	18,075		17,852																				
353		Construction, mining, and material-handling equipment.....	10,915	11,037	11,031	11,343	10,989	9,760	8,765	8,141	8,062		10,904	10,802	10,943	11,116	8,748	8,307	8,293		8,748	8,307	8,293		7,986																				
354		Metalworking machinery.....	5,022	5,234	5,500	5,736	6,459	7,035	7,292	7,661	7,986		4,987	5,255	5,516	5,753	7,248	7,360	7,559		7,248	7,360	7,559		7,684																				
356		General industrial machinery.....	6,588	6,615	6,745	6,669	6,547	6,304	6,177	6,287	6,615		6,496	6,596	6,705	6,649	6,092	6,206	6,190		6,092	6,206	6,190		6,274																				

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued
(Millions of dollars)

SIC	Industry group	Seasonally adjusted					Not seasonally adjusted ¹							
		Monthly			Quarterly		Last 4 months				Monthly			
		Dec. 1981 ^p	Nov. 1981 ^r	Oct. 1981	Sept. 1981	I 1981	II 1981	III 1980	IV 1980	I 1980	Dec. 1981 ^p	Nov. 1981 ^r	Oct. 1981	Sept. 1980
36	INDUSTRY GROUP AND INDUSTRIES--													
361,2	Continued													
	Durable goods industries--													
	Electrical machinery.....	51,506	51,072	50,634	51,526	50,124	48,494	47,225	45,819	45,341	50,668	50,630	50,624	46,275
	Electrical transmission and distribution equipment.....	8,237	8,141	8,055	8,429	8,392	8,361	7,967	7,905	8,027	8,103	8,074	8,059	7,885
	Household appliances.....	339	329	316	390	433	415	411	451	451	288	274	297	389
	Radio and TV.....	619	431	466	697	378	482	346	422	416	552	409	534	449
	Communication equipment.....	28,970	28,958	28,543	28,823	27,542	26,345	25,427	23,863	22,802	28,786	28,833	28,616	24,364
	Electronic components.....	12,243	12,084	12,122	12,042	12,207	11,733	12,019	12,135	12,695	11,864	11,903	11,964	12,008
	Transportation equipment.....	114,086	115,283	116,657	118,073	115,515	116,198	113,043	114,513	108,540	115,518	116,291	117,223	114,156
	Aircraft, missiles, and parts.....	90,405	91,187	92,010	93,126	90,504	91,299	88,371	90,466	85,924	91,838	92,012	92,446	89,888
	Shipbuilding and military tank vehicles.....	16,501	16,944	16,972	17,303	16,953	16,478	16,087	15,421	13,490	16,510	17,129	17,157	15,489
	Instruments and related products.....	7,164	7,290	7,059	7,067	7,056	7,012	6,987	6,863	6,944	7,118	7,145	7,058	6,828
	All other durable goods industries.....	4,727	4,642	4,878	4,853	4,955	4,915	4,267	4,050	4,244	4,416	4,488	4,745	4,016

^pPreliminary.

^rRevised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"). for the specified industries.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted ¹					
		Monthly			Quarterly			Last 4 months			Monthly		
		Dec. 1981p	Nov. 1981r	Oct. 1981	Sept. 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	Dec. 1981p	Nov. 1981r	Oct. 1981
	TOTALS	277,172	279,544	278,440	276,616	269,709	266,524	257,980	256,835	256,421	275,538	277,405	276,040
	All manufacturing industries.....												
	Manufacturing industries ex-												
	cluding transportation.....	237,157	239,294	238,176	237,192	231,081	228,413	221,170	221,393	221,992	236,243	236,988	235,827
	Manufacturing industries with												
	unfilled orders.....	191,334	192,625	191,584	189,850	183,036	180,275	174,756	173,231	173,188	189,013	190,268	189,219
	Durable goods industries.....	185,789	187,275	186,718	185,140	178,676	176,229	171,603	170,163	169,769	183,712	185,149	184,310
	Durable goods with unfilled												
	orders.....	170,223	171,569	170,673	169,027	162,821	160,227	155,430	153,986	153,669	168,392	169,779	168,818
	Nondurable goods industries.....	91,383	92,269	91,722	91,476	91,033	90,295	86,377	86,672	86,652	91,826	92,256	91,730
	Nondurable goods with unfilled												
	orders.....	21,111	21,056	20,911	20,823	20,215	20,047	19,336	19,245	19,520	20,621	20,489	20,401
	MARKET CATEGORIES												
	Home goods and apparel.....	22,887	23,064	22,570	21,982	21,410	21,201	20,663	20,395	20,706	22,022	21,814	21,762
	Consumer staples.....	32,848	33,020	33,184	33,142	32,658	32,880	32,201	31,988	31,283	33,358	33,991	34,222
	Equipment and defense products,												
	except automotive.....	76,674	76,570	76,180	75,148	73,240	71,400	69,908	69,288	67,787	75,806	76,193	75,479
	Automotive equipment.....	11,478	11,570	11,866	11,714	11,530	11,775	11,872	11,589	12,267	11,246	11,743	11,850
	Construction materials, supplies,												
	and intermediate products.....	22,429	22,901	22,795	23,006	22,393	21,602	21,266	20,809	20,999	22,067	22,109	22,262
	Other materials, supplies, and												
	intermediate products.....	110,856	112,419	111,845	111,624	108,478	107,666	102,070	102,767	103,380	111,039	111,555	110,465
	SUPPLEMENTARY SERIES ²												
	Household durable goods indus-												
	tries.....	10,895	11,037	10,981	10,719	10,250	10,236	9,992	9,980	10,198	10,609	10,627	10,639
	Capital goods industries.....	86,488	86,513	86,053	85,074	82,376	80,456	78,245	77,469	75,420	85,277	86,091	85,371
	Nondefense.....	73,020	72,972	72,985	72,055	69,676	68,473	67,224	67,021	65,672	72,063	72,666	72,400
	Defense.....	13,468	13,541	13,068	13,019	12,700	11,984	11,021	10,447	9,749	13,214	13,425	12,971
	INDUSTRY GROUPS AND INDUSTRIES												
	Durable goods industries:												
32	Stone, clay, and glass products	6,924	6,953	6,923	7,037	6,599	6,398	6,145	6,016	6,189	6,775	6,658	6,613
322	Glass containers.....	661	647	659	644	595	608	593	584	611	633	640	647
33	Primary metals.....	25,184	25,361	25,268	25,087	23,334	23,640	21,976	22,022	22,555	25,632	25,301	24,971
331	Blast furnaces, steel mills..	13,083	13,129	13,148	13,120	12,169	12,722	11,844	12,152	12,722	13,619	13,260	13,122
333-6,	Nonferrous and other primary												
9	metals.....	10,625	10,727	10,617	10,511	9,819	9,563	8,802	8,564	8,484	10,582	10,598	10,415
34	Fabricated metal products.....	20,171	20,733	20,598	20,440	19,973	19,812	19,773	19,395	20,020	19,835	20,159	20,227
341	Metal cans, barrels, and												
	drums.....	1,404	1,510	1,582	1,578	1,571	1,637	1,744	1,578	1,732	1,247	1,291	1,366
35	Machinery, except electrical...	42,560	42,502	42,282	42,017	40,342	39,618	39,189	39,726	39,514	42,182	42,147	41,681
351	Engines and turbines.....	2,540	2,585	2,622	2,585	2,423	2,423	2,474	2,457	2,522	2,527	2,593	2,583
352	Farm machinery and equipment.	2,802	2,767	2,652	2,712	2,749	2,801	2,774	3,127	3,148	2,802	2,959	2,464
353	Construction, mining, and												
	material-handling equipment.	9,798	9,623	9,522	9,213	8,789	8,469	8,446	8,650	8,766	9,749	9,546	9,294
354	Metalworking machinery.....	2,686	2,645	2,612	2,749	2,636	2,624	2,760	2,855	2,651	2,651	2,642	2,594
356	General industrial machinery.	3,903	3,984	4,008	3,872	3,753	3,603	3,561	3,627	3,637	3,872	3,924	3,936

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued
(Millions of dollars)

SIC	Industry	Seasonally adjusted				Quarterly				Monthly				Not seasonally adjusted ¹					
		Monthly		Monthly		Monthly		Monthly		Monthly		Monthly		Monthly		Monthly			
		Dec. 1981P	Nov. 1981 ²	Oct. 1981	Sept. 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	Dec. 1981P	Nov. 1981 ²	Oct. 1981	Sept. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980	
36	INDUSTRY GROUPS AND INDUSTRIES-- Continued	26,779	26,976	26,865	26,517	25,689	25,057	24,383	24,350	24,145	26,294	26,477	26,492	26,256	23,951	23,978	24,112	24,104	
361, 2																			
361		Electrical machinery.....	4,724	4,792	4,806	4,744	4,488	4,263	4,163	4,222	4,263	4,713	4,746	4,764	4,678	4,152	4,101	4,165	4,162
362		Electrical transmission and distribution equipment.....	2,057	2,134	2,134	2,021	1,934	1,905	1,874	1,843	1,943	1,997	1,989	2,021	1,928	1,817	1,727	1,745	1,760
363		Household appliances.....	1,734	1,783	1,742	1,664	1,492	1,444	1,311	1,292	1,309	1,698	1,712	1,686	1,656	1,561	1,421	1,251	1,287
366		Radio and TV.....	8,969	8,935	8,882	8,886	8,886	8,774	8,630	8,589	8,178	8,812	8,907	8,869	8,810	8,486	8,692	8,667	8,540
367		Communication equipment.....	4,880	5,030	4,992	4,874	4,795	4,560	4,557	4,450	4,422	4,831	4,924	4,937	4,864	4,511	4,409	4,441	4,437
37		Electronic components.....	40,015	40,250	40,264	39,424	38,628	38,111	36,810	35,442	34,429	39,295	40,417	40,213	39,378	36,104	35,965	35,819	35,439
371		Transportation equipment.....	9,001	9,094	9,453	9,316	9,275	9,605	9,694	9,409	9,865	8,719	9,331	9,521	9,476	9,393	9,387	9,371	9,371
372, 6		Motor vehicles and parts.....	26,421	26,499	25,997	25,468	24,820	24,001	22,918	21,835	20,160	26,052	26,303	25,832	25,228	22,594	22,259	22,186	21,643
373, 1	Aircraft, missiles, and parts.....	2,513	2,573	2,742	2,596	2,636	2,612	2,265	2,105	2,130	2,385	2,705	2,823	2,671	2,145	2,344	2,234	2,165	
3795	Shipbuilding and military tank vehicles.....	9,649	9,771	9,714	9,738	9,603	9,380	9,281	9,037	8,994	9,388	9,571	9,576	9,658	9,020	9,051	9,009	8,965	
38	Instruments and related products.....	6,946	6,963	6,900	6,912	6,842	6,593	6,474	6,309	6,263	6,862	6,865	6,824	6,849	6,391	6,350	6,312	6,252	
381-4	Scientific and engineering... Photographic goods.....	2,222	2,316	2,320	2,342	2,247	2,259	2,243	2,172	2,135	2,058	2,225	2,267	2,323	2,079	2,150	2,145	2,155	
24	All other durable goods industries.....	14,527	14,729	14,804	14,880	14,508	14,213	14,046	14,175	13,923	14,311	14,419	14,537	14,699	13,854	13,744	13,808	14,010	
20		Nondurable goods industries:	20,930	21,619	21,600	21,826	21,862	22,237	22,325	22,368	21,263	21,569	22,840	22,741	21,913	23,060	23,992	23,642	22,273
201		Food and kindred products.....	1,978	2,086	2,130	2,067	2,267	2,272	2,271	2,138	2,005	1,952	2,150	2,132	2,019	2,239	2,428	2,253	2,089
208		Meat products.....	3,769	3,824	3,817	3,863	3,743	3,909	3,866	3,770	3,895	3,777	3,839	3,897	3,836	3,874	3,809	3,868	3,740
207		Beverages.....	1,587	1,741	1,602	1,696	1,648	1,792	2,035	2,388	1,840	1,787	2,002	1,648	1,453	1,298	1,269	1,351	1,767
203-6, 9		Fats and oils.....	11,867	12,267	12,370	12,481	12,456	12,476	12,428	12,480	11,885	12,389	13,162	13,359	13,067	12,987	13,490	13,511	13,067
21		All other foods.....	4,245	4,036	4,043	3,966	3,570	3,689	3,507	3,628	3,507	4,495	4,445	4,087	3,906	3,715	3,797	3,708	3,566
22		Tobacco products.....	6,730	6,709	6,676	6,642	6,604	6,518	6,386	6,102	6,250	6,546	6,459	6,395	6,484	6,212	6,027	5,916	5,960
26		Textile mill products.....	8,801	8,822	8,664	8,588	8,332	8,286	7,798	7,818	7,866	8,706	8,958	8,533	8,424	7,712	7,712	7,665	7,668
261-3		Paper and allied products.....	3,307	3,291	3,213	3,123	3,018	2,972	2,794	2,894	2,925	3,295	3,264	3,176	3,070	2,785	2,824	2,862	2,845
265	Pulp, paper, etc.....	2,369	2,403	2,335	2,327	2,255	2,188	1,971	1,971	2,094	2,331	2,357	2,286	2,316	1,942	1,918	1,913	1,953	
264	Paperboard containers.....	3,123	3,128	3,116	3,128	3,059	3,126	3,032	2,953	2,993	3,080	3,077	3,071	3,038	2,991	2,970	2,890	2,870	
28	All other paper containers.....	20,585	20,722	20,722	20,363	20,218	19,468	18,489	18,478	19,211	20,858	20,822	20,301	19,956	18,748	18,482	18,035	18,114	
281, 6	Chemicals and allied products.....	6,824	6,884	6,856	6,810	6,961	6,693	6,244	6,200	6,714	6,947	6,891	6,760	6,708	6,363	6,300	6,037	6,107	
283, 4	Industrial chemicals, except pigments.....	6,017	5,994	5,998	5,867	5,839	5,819	5,612	5,596	5,587	5,963	5,926	5,926	5,791	5,588	5,677	5,560	5,523	
29	Drugs, soap, and toiletries.....	8,609	8,663	8,772	9,206	9,996	9,885	8,240	8,805	8,711	8,873	8,986	9,087	9,353	8,495	8,431	8,639	8,943	
30	Petroleum and coal products.....	5,560	5,801	5,729	5,703	5,634	5,538	5,279	5,232	5,603	5,603	5,590	5,565	5,592	5,319	5,050	5,125	5,131	
31	Rubber and plastics products, n.e.c.....	15,923	15,864	15,516	15,182	14,817	14,656	14,353	14,243	14,241	15,176	14,916	15,021	15,181	13,700	13,554	13,910	14,244	
33	All other nondurable goods industries.....																		
37																			

¹Preliminary. ²Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

³The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the MA-175, 'Shipments to Federal Government Agencies' (formerly 'Shipments of Defense-Oriented Industries'), for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted										Not seasonally adjusted									
	Monthly					Quarterly					Monthly									
											Last 4 months					Last 4 months a year ago				
	Dec. 1981 ^p	Nov. 1981 ^r	Oct. 1981	Sept. 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	I 1980	Dec. 1981 ^p	Nov. 1981 ^r	Oct. 1981	Sept. 1981	Dec. 1980	Nov. 1980	Oct. 1980	Sept. 1980		
TOTALS																				
All manufacturing industries.....	277,172	279,544	278,440	276,616	269,709	266,524	257,980	256,835	256,421		275,538	277,405	276,040	273,900	256,584	255,399	254,257	254,207		
Durable goods industries.....	185,789	187,275	186,718	185,149	178,676	176,229	171,603	170,163	169,769		183,712	185,149	184,310	183,091	169,616	168,354	167,617	168,308		
Stone, clay, and glass products.....	6,924	6,953	6,923	7,037	6,359	6,398	6,145	6,016	6,189		6,775	6,658	6,613	6,792	6,020	5,807	5,788	5,807		
Primary metals.....	25,184	25,361	25,268	25,087	23,334	23,640	21,976	22,022	22,555		25,632	25,301	24,791	24,709	22,390	22,699	21,665	21,699		
Fabricated metals.....	20,171	20,733	20,598	20,440	19,973	19,812	19,773	19,595	20,020		19,835	20,159	20,227	20,147	19,394	18,957	18,753	19,119		
Nonferrous metal machinery.....	42,540	42,502	42,282	42,017	40,342	39,618	39,189	39,726	39,514		42,182	42,147	41,681	41,452	38,884	38,972	38,663	39,166		
Electrical machinery.....	26,779	26,976	26,865	26,517	25,689	25,057	24,383	24,350	24,145		26,294	26,477	26,492	26,256	23,951	23,978	24,112	24,104		
Transportation equipment.....	40,015	40,250	40,264	39,424	38,628	38,111	36,810	35,442	34,429		39,295	40,417	40,213	39,378	36,104	35,965	35,819	35,438		
Instruments and related products.....	9,649	9,771	9,714	9,738	9,603	9,380	9,281	9,037	8,993		9,388	9,571	9,576	9,582	9,020	9,051	9,059	9,065		
All other durable goods industries.....	14,527	14,729	14,804	14,880	14,508	14,213	14,046	14,175	14,233		14,311	14,419	14,419	14,699	13,854	13,744	13,808	14,010		
Nondurable goods industries.....	91,383	92,269	91,722	91,476	91,033	90,295	86,377	86,672	86,652		91,826	92,256	91,730	90,809	86,967	87,045	86,640	85,899		
Chemicals and allied products.....	20,585	20,755	20,722	20,363	20,218	19,488	18,489	18,478	19,211		20,858	20,632	20,301	19,551	18,748	18,482	18,035	18,114		
Petroleum and coal products.....	8,609	8,663	8,772	9,206	9,196	8,885	8,240	8,805	8,711		8,873	8,986	9,087	9,353	8,495	8,431	8,639	8,943		
Rubber and plastics products, n.e.c.....	5,560	5,801	5,729	5,703	5,634	5,538	5,369	5,232	5,603		5,603	5,590	5,565	5,592	5,319	5,050	5,125	5,131		
All other nondurable goods industries.....	56,629	57,050	56,499	56,204	55,185	55,385	54,369	54,158	53,127		56,492	57,058	56,777	55,908	54,405	55,082	54,841	53,711		
MATERIALS AND SUPPLIES																				
All manufacturing industries.....	94,115	94,762	94,364	94,187	92,127	91,907	89,380	88,701	89,963		94,633	94,099	94,114	93,540	89,960	88,312	88,445	88,032		
Durable goods industries.....	56,830	57,740	57,648	57,495	55,816	55,495	53,808	53,587	54,624		57,048	57,615	57,694	57,535	53,998	53,042	53,379	53,615		
Stone, clay, and glass products.....	2,638	2,684	2,698	2,719	2,691	2,532	2,446	2,278	2,342		2,672	2,648	2,668	2,716	2,277	2,289	2,289	2,277		
Primary metals.....	9,318	9,426	9,374	9,315	8,849	9,401	9,374	9,000	9,066		9,046	9,601	9,601	9,631	9,328	9,029	9,063	9,021		
Fabricated metals.....	7,375	7,470	7,610	7,604	7,272	7,420	7,249	7,081	7,525		7,351	7,483	7,507	7,631	7,200	6,968	6,991	7,110		
Nonferrous metal machinery.....	11,298	11,562	11,480	11,480	11,212	10,843	10,993	11,176	11,252		11,325	11,507	11,490	11,332	11,022	10,990	11,066	11,021		
Electrical machinery.....	7,790	7,903	7,928	7,798	7,581	7,340	7,229	7,379	7,336		7,729	7,667	7,754	7,782	7,096	7,237	7,363	7,363		
Transportation equipment.....	10,056	9,807	9,899	9,931	9,762	9,594	8,836	8,274	8,876		9,798	10,071	10,073	10,029	8,597	8,494	8,440	8,369		
Instruments and related products.....	2,776	2,899	2,901	2,854	2,885	2,845	2,786	2,852	2,790		2,772	2,868	2,869	2,861	2,777	2,763	2,740	2,860		
All other durable goods industries.....	5,579	5,739	5,738	5,792	5,564	5,520	5,345	5,347	5,457		5,655	5,790	5,869	5,845	5,424	5,353	5,394	5,394		
Nondurable goods industries.....	37,285	37,022	36,716	36,692	36,311	36,412	35,572	35,114	35,339		37,585	36,484	36,420	36,005	35,962	35,270	35,066	34,417		
Chemicals and allied products.....	7,965	7,917	7,856	7,921	7,994	7,875	7,668	7,365	7,744		7,980	7,720	7,757	7,841	7,698	7,453	7,300	7,400		
Petroleum and coal products.....	2,323	2,147	2,266	2,581	2,474	2,324	2,324	2,324	2,324		2,294	2,235	2,359	2,201	2,154	2,212	2,415	2,308		
Rubber and plastics products, n.e.c.....	2,332	2,312	2,357	2,347	2,365	2,373	2,250	2,085	2,336		2,393	2,336	2,367	2,376	2,307	2,045	2,159	2,116		
All other nondurable goods industries.....	24,665	24,646	24,257	24,210	23,931	23,690	23,478	23,340	23,383		24,918	24,193	23,957	23,587	23,803	23,560	23,183	22,695		
WORK IN PROCESS																				
All manufacturing industries.....	99,240	99,637	99,208	98,651	96,376	95,366	92,042	90,648	89,360		97,940	99,388	98,812	98,185	90,789	90,616	90,104	90,235		
Durable goods industries.....	84,912	85,576	84,986	84,083	81,769	80,584	77,935	76,691	75,512		83,668	84,873	84,388	83,564	76,725	76,699	76,063	76,251		
Stone, clay, and glass products.....	1,035	1,008	1,008	1,044	929	933	851	857	862		960	927	935	939	790	781	786	820		
Primary metals.....	9,964	9,944	9,913	9,888	9,107	8,951	7,960	7,999	8,436		9,988	9,888	9,797	9,754	7,972	7,885	7,707	7,890		
Fabricated metals.....	7,964	8,129	8,164	8,117	7,886	7,815	7,797	7,602	7,742		7,682	7,888	7,947	7,829	7,509	7,416	7,352	7,527		
Nonferrous metal machinery.....	18,611	18,764	18,654	18,537	17,828	17,844	17,556	17,791	17,757		18,472	18,767	18,483	18,387	17,427	17,570	17,301	17,633		
Electrical machinery.....	13,714	13,714	13,661	13,551	13,290	12,893	12,452	12,116	11,828		13,442	13,628	13,636	13,482	12,206	12,258	12,053	12,053		
Transportation equipment.....	25,921	26,337	26,065	25,499	25,022	24,600	23,902	23,156	21,622		25,567	26,232	26,004	25,447	23,541	23,508	23,432	23,144		
Instruments and related products.....	4,266	4,242	4,255	4,238	4,176	4,059	4,064	3,882	3,920		4,137	4,183	4,200	4,214	3,934	3,997	4,008	3,858		
All other durable goods industries.....	3,432	3,436	3,381	3,415	3,351	3,489	3,353	3,288	3,345		3,420	3,417	3,404	3,452	3,346	3,284	3,241	3,326		
Nondurable goods industries.....	14,328	14,063	14,222	14,568	14,607	14,782	14,107	13,957	13,868		14,272	14,515	14,424	14,621	14,064	13,917	14,041	13,984		
Chemicals and allied products.....	2,581	2,599	2,713	2,718	2,715	2,740	2,508	2,568	2,649		2,619	2,674	2,711	2,693	2,546	2,494	2,490	2,540		
Petroleum and coal products.....	2,632	2,385	2,385	2,669	2,654	2,651	2,624	2,624	2,624		2,621	2,594	2,433	2,622	2,643	2,505	2,552	2,585		
Rubber and plastics products, n.e.c.....	1,090	1,057	1,037	1,055	1,031	1,006	912	907	886		1,108	1,077	1,077	1,059	929	944	913	913		
All other nondurable goods industries.....	8,025	8,066	8,107	8,126	8,207	8,310	8,036	7,858	7,837		7,924	8,250	8,254	8,247	7,946	7,946	8,082	7,946		
FINISHED GOODS																				
All manufacturing industries.....	83,817	85,145	84,868	83,778	81,206	79,252	76,557	77,488	77,099		82,965	83,918	83,114	82,175	75,833	76,471	75,708	75,940		
Durable goods industries.....	44,047	43,961	44,084	43,562	41,091	40,149	39,860	39,885	39,634		42,996	42,661	42,228	41,992	38,893	38,613	38,175	38,442		
Stone, clay, and glass products.....	3,251	3,261	3,217	3,274	2,979	2,933	2,848	2,801	2,985		3,143	3,083	3,010	2,713	2,737	2,737	2,713	2,713		
Primary metals.....	5,897	5,991	5,981	5,884	5,378	5,288	5,092	5,023	5,073		5,898	5,869	5,788	5,616	5,090	4,966	4,895	4,788		
Fabricated metals.....	4,832	4,884	4,939																	

Table 6. PERCENT CHANGES AND REVISION FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revision ²		
	Month-to-month			Average monthly rate of change ¹				Year ago Dec. 1980	Average monthly	
	Nov. 1981- Dec. 1981	Oct. 1981- Nov. 1981	Sept. 1981- Oct. 1981	Fourth quarter 1981	Third quarter 1981	Second quarter 1981	Jan. 1981 through Dec. 1981		Dec. 1980 through Nov. 1981	Dec. 1976-1980
Shipments:										
All manufacturing industries.....	-0.2	-1.3	-2.7	-1.4	-0.6	+1.1	-0.1	0.5	0.2	0.8
Durable goods industries.....	-0.4	-1.1	-4.2	-1.9	-1.0	+1.4	-0.2	0.8	0.4	1.0
Nondurable goods industries.....	0.0	-1.4	-1.1	-0.8	+0.1	+0.8	0.0	0.3	0.3	0.6
Inventories:										
All manufacturing industries.....	-0.8	+0.4	+0.7	+0.1	+0.8	+0.4	+0.6	0.3	1.5	0.3
New orders:										
All manufacturing industries.....	+0.2	+0.6	-5.6	-1.6	-0.5	+0.7	-0.3	0.2	0.3	0.9
Durable goods industries.....	+0.3	+2.8	-9.8	-2.4	-0.8	+0.6	-0.6	0.2	0.6	1.2
Nondurable goods industries.....	+0.2	-1.5	-1.2	-0.8	-0.2	+0.8	0.0	0.1	0.4	0.5
Unfilled orders:										
Durable goods industries.....	-0.4	-0.5	-1.5	-0.8	+0.3	+0.2	0.0	0.2	0.1	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	Dec. 1981 ^P	Nov. 1981 ^P	Oct. 1981	Sept. 1981	Dec. 1981 ^P	Nov. 1981 ^P	Oct. 1981	Sept. 1981
All manufacturing industries.....	1.71	1.73	1.70	1.64	3.73	3.72	3.74	3.68
Durable goods industries.....	2.29	2.29	2.26	2.15	4.51	4.49	4.49	4.41
Stone, clay, and glass products.....	1.83	1.80	1.80	1.75	0.67	0.67	0.65	0.60
Primary metals.....	2.56	2.38	2.28	2.16	2.71	2.54	2.50	2.46
Fabricated metals.....	2.10	2.18	2.06	1.99	3.27	3.33	3.17	3.14
Machinery, except electrical.....	2.48	2.44	2.50	2.42	4.70	4.57	4.73	4.72
Electrical machinery.....	2.31	2.36	2.39	2.27	4.45	4.47	4.50	4.42
Transportation equipment.....	2.32	2.40	2.34	2.08	10.92	11.25	11.59	10.91
Instruments and related products.....	2.28	2.36	2.29	2.27	1.69	1.76	1.66	1.64
Nondurable goods industries.....	1.14	1.15	1.13	1.11	0.60	0.62	0.64	0.65
Food and kindred products.....	0.97	1.01	0.98	0.97	(X)	(X)	(X)	(X)
Tobacco products.....	3.56	3.44	3.68	3.27	(X)	(X)	(X)	(X)
Textile mill products.....	1.70	1.71	1.64	1.50	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.34	1.35	1.34	1.31	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.33	1.35	1.38	1.31	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.56	0.55	0.53	0.57	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.47	1.59	1.45	1.44	(X)	(X)	(X)	(X)

(NA) Not available. ^PPreliminary. ^TRevised. (X) Not applicable.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

U.S. Department
of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

Official Business
Penalty for Private Use, \$300

UNIVERSITY OF FLORIDA



3 1262 08590 3036

COM-202

U.S. MAIL[®]

First Class Mail

